

Title (en)

A VARIABLE OPTICAL FILTER AND A WAVELENGTH-SELECTIVE SENSOR BASED THEREON

Title (de)

VARIABLER OPTISCHER FILTER UND DARAUF BASIERENDER WELLENLÄNGENSELEKTIVER SENSOR

Title (fr)

FILTRE OPTIQUE VARIABLE ET CAPTEUR À SÉLECTION DE LONGUEUR D'ONDE BASÉ SUR CELUI-CI

Publication

**EP 3828605 A1 20210602 (EN)**

Application

**EP 20215111 A 20140128**

Priority

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- US 2014013449 W 20140128

Abstract (en)

An optical filter is described having a laterally variable transmission wavelength within a wavelength range, the optical filter comprising: a bandpass filter comprising a stack of alternating first and second layers comprising first and second materials, respectively; a blocking filter comprising a stack of alternating third and fourth layers, comprising third and fourth materials, respectively; wherein the first, second and fourth materials each comprise different materials, so that a refractive index of the first material is smaller than a refractive index of the second material, the refractive index of the second material is smaller than a refractive index of the fourth material, and an absorption coefficient of the second material is smaller than an absorption coefficient of the fourth material.

IPC 8 full level

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CPC (source: EP KR US)

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